

**COMPLETE SET OF PENDING CLAIMS**

1. (Previously canceled)
2. (Currently amended) The plasma display panel of Claim 20, wherein the permittivity  $\epsilon$  of the dielectric layer is 7 or less.
3. (Canceled)
4. (Canceled)
5. (Currently amended) The plasma display panel of Claim 20, wherein the dielectric layer is composed of a ZnO-base glass which contains 20-44 wt% of ZnO, 38-55 wt% of B<sub>2</sub>O<sub>3</sub>, 5-12 wt% of SiO<sub>2</sub>, 10 wt% or less of R<sub>2</sub>O, and 10 wt% or less of MO, and the permittivity  $\epsilon$  of the dielectric layer is 7 or less, wherein R is selected from a group consisting of ~~Li, Na, K~~, Rb, Cs, Cu, and Ag, and M is selected from a group consisting of ~~Mg~~, Ca, ~~Ba~~, Sr, Co, and Cr.
6. (Currently amended) The plasma display panel of Claim 20, wherein the dielectric layer is composed of a ZnO-base glass which contains 20-43 wt% of ZnO, 38-55 wt% of B<sub>2</sub>O<sub>3</sub>, 5-12 wt% of SiO<sub>2</sub>, 1-10 wt% of Al<sub>2</sub>O<sub>3</sub>, 10 wt% or less of R<sub>2</sub>O, and 10 wt% or less of MO, and the permittivity  $\epsilon$  of the dielectric layer is 7 or less, wherein R is selected from a group consisting of ~~Li, Na, K~~, Rb, Cs, Cu, and Ag, and M is selected from a group consisting of ~~Mg~~, Ca, ~~Ba~~, Sr, Co, and Cr.

Claims 7-10 (Canceled)

Claims 11-17 (Previously canceled)

18. (Currently amended) The plasma display panel of Claim 27, wherein the second dielectric layer is made of a glass that contains at least ZnO and 10 wt% or less of R<sub>2</sub>O and does not substantially contain PbO and Bi<sub>2</sub>O<sub>3</sub>, wherein R is selected from a group consisting of Li, Na, K, Rb, Cs, Cu, and Ag.

19. (Currently amended) The plasma display panel of Claim 27, wherein a total thickness of the dielectric layer is 40  $\mu$ m or less, and a thickness of the first dielectric layer is half of the total thickness or less.

20. (Currently amended) A plasma display panel in which a space between a first plate and a second plate facing each other is filled with a discharge gas, a plurality of pairs of display electrodes made of Ag are formed on a surface of the first plate facing the second plate, and the surface of the first plate is covered with a dielectric layer covering the plurality of pairs of display electrodes, characterized in that:

the dielectric layer is made of a glass that contains at least ZnO and 10 wt% or less of R<sub>2</sub>O and does not substantially contain PbO and Bi<sub>2</sub>O<sub>3</sub>, and a product of permittivity  $\epsilon$  and loss factor  $\tan \delta$  of the dielectric layer is 0.12 or less, wherein R is selected from a group consisting of ~~Li, Na, K,~~ Rb, Cs, Cu, and Ag.

21. (Previously added) A plasma display panel in which a space between a first plate and a second plate facing each other is filled with a discharge gas, a plurality of pairs of display electrodes made of Ag are formed on a surface of the first plate facing the second plate, and the surface of the first plate is covered with a dielectric layer covering the plurality of pairs of display electrodes, characterized in that:

the dielectric layer is made of a glass which is composed of 20-30 wt% of P<sub>2</sub>O<sub>5</sub>, 30-40 wt% of ZnO, 30-45 wt% of B<sub>2</sub>O<sub>3</sub>, and 1-10 wt% of SiO<sub>2</sub> and a product of permittivity  $\epsilon$  and loss factor  $\tan \delta$  of the dielectric layer is 0.12 or less.

Claims 22-25 (Canceled)

26. (Previously added) A plasma display panel in which a space between a first plate and a second plate facing each other is filled with a discharge gas, a plurality of pairs of display electrodes made of Ag are formed on a surface of the first plate facing the second plate, and the surface of the first plate is covered with a dielectric layer covering the plurality of pairs of display electrodes, characterized in that:

the dielectric layer is made of a glass which is composed of 9-20 wt% of  $\text{Nb}_2\text{O}_5$ , 35-60 wt% of  $\text{ZnO}$ , 25-40 wt% of  $\text{B}_2\text{O}_3$ , and 1-10 wt% of  $\text{SiO}_2$ , and a product of permittivity  $\epsilon$  and loss factor  $\tan \delta$  of the dielectric layer is 0.12 or less.

27. (Previously added) A plasma display panel in which a space between a first plate and a second plate facing each other is filled with a discharge gas, a plurality of pairs of display electrodes made of Ag are formed on a surface of the first plate facing the second plate, and the surface of the first plate is covered with a dielectric layer covering the plurality of pairs of display electrodes, characterized in that:

the dielectric layer is composed of

a first dielectric layer which either is a thin film of  $\text{SiO}_2$ ,  $\text{Al}_2\text{O}_3$  or  $\text{ZnO}$  or is made of a glass containing at least  $\text{PbO}$  or  $\text{Bi}_2\text{O}_3$  and covers the plurality of pairs of display electrodes, and

a second dielectric layer made of a glass in which a product of permittivity  $\epsilon$  and loss factor  $\tan \delta$  is 0.12 or less, the second dielectric layer covering the first dielectric layer.

28. (New) A plasma display panel in which a space between a first plate and a second plate facing each other is filled with a discharge gas, a plurality of pairs of display electrodes made of Ag are formed on a surface of the first plate facing the second plate, and the surface of the first plate is covered with a dielectric layer covering the plurality of pairs of display electrodes, characterized in that:

the dielectric layer is made of a glass that contains 10-25 wt% of  $\text{P}_2\text{O}_5$ , 20-35 wt% of  $\text{ZnO}$ , 30-40 wt% of  $\text{B}_2\text{O}_3$ , 5-12 wt% of  $\text{SiO}_2$ , 10 wt% or less of  $\text{R}_2\text{O}$ , and 10 wt% or less of  $\text{DO}$ , and does not substantially contain  $\text{PbO}$  and  $\text{Bi}_2\text{O}_3$ , and the permittivity  $\epsilon$  of the dielectric layer is 7 or less and a product of permittivity  $\epsilon$  and loss factor  $\tan \delta$  of the dielectric layer is 0.12 or less, wherein R is selected from a group consisting of K, Rb, Cs, Cu, and Ag and wherein D is selected from a group consisting of Mg, Ca, Ba, Sr, Co, Cr, and Ni.

29. (New) A plasma display panel in which a space between a first plate and a second plate facing each other is filled with a discharge gas, a plurality of pairs of display electrodes made of Ag are formed on a surface of the first plate facing the second plate, and the surface of the first plate is covered with a dielectric layer covering the plurality of pairs of display electrodes, characterized in that:

the dielectric layer is composed of a ZnO-P<sub>2</sub>O<sub>5</sub>-base glass which contains 42-50 wt% of P<sub>2</sub>O<sub>5</sub>, 35-50 wt% of ZnO, 7-14 wt% of Al<sub>2</sub>O<sub>3</sub>, 5 wt% or less of Na<sub>2</sub>O, and 10 wt% or less of R<sub>2</sub>O and does not substantially contain PbO and Bi<sub>2</sub>O<sub>3</sub>, and the permittivity  $\epsilon$  of the dielectric layer is 7 or less and a product of permittivity  $\epsilon$  and loss factor  $\tan \delta$  of the dielectric layer is 0.12 or less, wherein R is selected from a group consisting of K, Rb, Cs, Cu, and Ag.

30. (New) A plasma display panel in which a space between a first plate and a second plate facing each other is filled with a discharge gas, a plurality of pairs of display electrodes made of Ag are formed on a surface of the first plate facing the second plate, and the surface of the first plate is covered with a dielectric layer covering the plurality of pairs of display electrodes, characterized in that:

the dielectric layer is composed of a ZnO-base glass which contains 1-15 wt% of ZnO, 20-40 wt% of B<sub>2</sub>O<sub>3</sub>, 10-30 wt% of SiO<sub>2</sub>, 5-25 wt% of Al<sub>2</sub>O<sub>3</sub>, 3-10 wt% of Li<sub>2</sub>O, 2-15 wt% of MO, and 10 wt% or less of R<sub>2</sub>O and does not substantially contain PbO and Bi<sub>2</sub>O<sub>3</sub>, and the permittivity  $\epsilon$  of the dielectric layer is 7 or less and a product of permittivity  $\epsilon$  and loss factor  $\tan \delta$  of the dielectric layer is 0.12 or less, wherein R is selected from a group consisting of K, Rb, Cs, Cu, and Ag and wherein M is selected from a group consisting of Mg, Ca, Ba, Sr, Co, and Cr.

31. (New) A plasma display panel in which a space between a first plate and a second plate facing each other is filled with a discharge gas, a plurality of pairs of display electrodes made of Ag are formed on a surface of the first plate facing the second plate, and the surface of the first plate is covered with a dielectric layer covering the plurality of pairs of display electrodes, characterized in that:

the dielectric layer is composed of a ZnO-base glass which contains 35-60 wt% of ZnO, 25-45 wt% of  $B_2O_3$ , 1-10.5 wt% of  $SiO_2$ , 1-10 wt% of  $Al_2O_3$ , 5 wt% or less of  $Na_2O$ , and 10 wt% or less of  $R_2O$  and does not substantially contain PbO and  $Bi_2O_3$ , and the permittivity  $\epsilon$  of the dielectric layer is 7 or less and a product of permittivity  $\epsilon$  and loss factor  $\tan \delta$  of the dielectric layer is 0.12 or less, wherein R is selected from a group consisting of K, Rb, Cs, Cu, and Ag.

32. (New) A plasma display panel in which a space between a first plate and a second plate facing each other is filled with a discharge gas, a plurality of pairs of display electrodes made of Ag are formed on a surface of the first plate facing the second plate, and the surface of the first plate is covered with a dielectric layer covering the plurality of pairs of display electrodes, characterized in that:

the dielectric layer is composed of a ZnO- $Nb_2O_5$ -base glass which contains 9-19 wt% of  $Nb_2O_5$ , 35-60 wt% of ZnO, 20-38 wt% of  $B_2O_3$ , 1-10.5 wt% of  $SiO_2$ , 5 wt% or less of  $Li_2O$ , and 10 wt% or less of  $R_2O$  and does not substantially contain PbO and  $Bi_2O_3$ , and the permittivity  $\epsilon$  of the dielectric layer is 7 or less and a product of permittivity  $\epsilon$  and loss factor  $\tan \delta$  of the dielectric layer is 0.12 or less, wherein R is selected from a group consisting of K, Rb, Cs, Cu, and Ag.

33. (New) A plasma display panel in which a space between a first plate and a second plate facing each other is filled with a discharge gas, a plurality of pairs of display electrodes made of Ag are formed on a surface of the first plate facing the second plate, and the surface of the first plate is covered with a dielectric layer covering the plurality of pairs of display electrodes, characterized in that:

the dielectric layer is composed of a ZnO-base glass which contains 35-60 wt% of ZnO, 25-45 wt% of  $B_2O_3$ , 1-12 wt% of  $SiO_2$ , 1-10 wt% of  $Al_2O_3$ , 5 wt% or less of  $K_2O$ , and 10 wt% or less of  $R_2O$  and does not substantially contain PbO and  $Bi_2O_3$ , and the permittivity  $\epsilon$  of the dielectric layer is 7 or less and a product of permittivity  $\epsilon$  and loss factor  $\tan \delta$  of the dielectric layer is 0.12 or less, wherein R is selected from a group consisting of Rb, Cs, Cu, and Ag.